

FAG

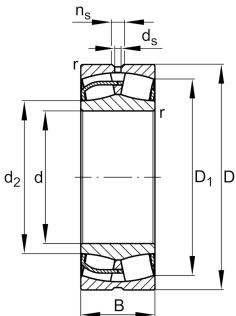
24122-BE-XL-C3

Spherical Roller Bearing

Spherical roller bearing 241...-BE-XL,
symmetric with rib washer

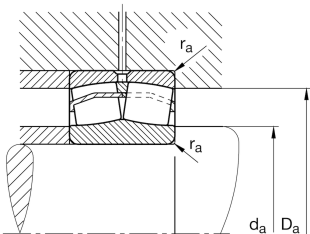
X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	



Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	180 mm	Outside diameter
B	69 mm	Width
C _r	530.000 N	Basic dynamic load rating, radial
C _{0r}	750.000 N	Basic static load rating, radial
C _{ur}	86.000 N	Fatigue load limit, radial
n _G	3.350 1/min	Limiting speed
n _{gr}	1.960 1/min	Reference speed
≈m	6,707 kg	Masa



Mounting dimensions

$d_{a\ min}$	121 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	169 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	154,9 mm	Bore diameter outer ring
d_2	125,6 mm	Raceway diameter of the inner ring
d_s	3,2 mm	Diameter lubrication hole
n_s	6,5 mm	Width of lubricating groove

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Calculation factors

e	0,34	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,96	Dynamic axial load factor
Y_2	2,92	Dynamic axial load factor
Y_0	1,92	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna